



SEQUENCE LISTING

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Tritz, Richard
Immusol Incorporated

<120> Gene Functional Analysis and Discovery Using Randomized or Target-Specific Ribozyme Gene Vector Libraries

<130> 016556-00300US

<140> US 09/355,221
<141> 1999-07-23

<150> US 60/037,352
<151> 1997-01-23

<150> WO PCT/US98/01196
<151> 1998-01-21

<160> 14

<170> PatentIn version 2.1

<210> 1
<211> 37
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:5' primer

<400> 1
ggtaatacg actcactata gggatcctcg atgaagc

37

<210> 2
<211> 76
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:3' Synth primer

<220>
<221> misc_feature
<222> (1)..(76)
<223> n = g, a, c or t

<400> 2
tcgacgcgta ccaggtaata taccacaacg tgtgtttctc tggtnnnntt cttnnnnnnng

60

cttcatcgag gatccc

76

<210> 3
<211> 44
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence:3' primer

<400> 3
tcgacgcgta ccaggtata taccacaacg tgtgtttctc tggt 44

<210> 4
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:3' disabled primer

<400> 4
tcgacgcgta ccaggtata taccacaacg tgtgacgctc tggt 44

<210> 5
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:3'-AAV-ITR primer

<400> 5
agaagatct ctggcgcgct cgctcgctca ctgaggccgc ccgg 44

<210> 6
<211> 81
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:tRNA-ribozyme lib
      PCR primer (tRNA-Rz lib primer)

<220>
<221> misc_feature
<222> (1)..(81)
<223> n = g, a, c or t

<400> 6
taccaggtaa tataccacaa cgtgtgttcc tctggtnnnb ttctnnnnnn ntggatcctg 60
tttccgccccg gtttcgaacc g 81

<210> 7
<211> 41
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:5'-AAV-ITR primer

<400> 7
agaagatct cagcagctgc gcgctcgctc gctcactgag g 41

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<210> 8
<211> 47
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:hairpin ribozyme

<220>
<221> misc_feature
<222> (1)..(11)
<223> n = g, a, c or u

<400> 8
nnnagaabnn naccagagaa acacacguug ugguaauua ccuggua          47

<210> 9
<211> 11
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:self-cleaved
      auto-catalytic ribozyme sequence

<220>
<221> misc_feature
<222> (1)..(11)
<223> n = g, a, c or u

<400> 9
uaccccccnnb n          11

<210> 10
<211> 15
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:self-cleaved
      auto-catalytic ribozyme sequence

<220>
<221> misc_feature
<222> (1)..(15)
<223> n = g, a, c or u

<400> 10
nnnnnnnaga avnnn          15

<210> 11
<211> 15
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:portion of charged
      ribozyme ligated to cleavage product

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<220>
<221> misc_feature
<222> (1)..(15)
<223> n = g, a, c or u

<400> 11
nnnbngucnn nnnnnn

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15

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<210> 12
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:trans-ligated ribozyme,
      target specific ribozyme

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<220>
<221> misc_feature
<222> (1)..(21)
<223> n = g, a, c or u

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uaccccccnnb ngucnnnnnn n

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<210> 13
<211> 11
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:substrate RNA

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<220>
<221> misc_feature
<222> (1)..(11)
<223> n = g, a, c or u

<400> 13
nnnbngucnn n

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<210> 14
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:GUC ribozyme
      target cleavage site

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<220>
<221> misc_feature
<222> (1)..(16)
<223> n = g, a, c or u

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nnnbngucnn nnnnnn

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16